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4, 7TH MAIN MALLESWARAM, BANGALORE -3

QC ABSTRACT

NAME OF WORK: Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
7	Precast (100mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
8	Precast (250mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
9	RCC(M20)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	8.24	4	4
10	Cement Concrete Pavemet (M30)	Compressive Strength(7days and 28days)	2 sets /6-15 cum	6.9	4	4

A.E.E

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/01/2023

Lab ID	:	**CP-2023-04-25-31**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-23
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	151.27 X 149.83 X 151.71	22664	8.327	567.9	25.1	25.3
2	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	151.00 X 150.33 X 149.48	22699	8.594	592.9	26.1	
3	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	149.17 X 150.89 X 150.50	22508	8.495	553.6	24.6	

* The results obtained are satisfactory as per standard requirements

Note:

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-04-25-31** **Date: 05-01-23**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	9.3	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	10.7	
3	Specific Gravity	2.67	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.22	–
7	Aggregate crushing Value(%)	24.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.5	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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R KARTHIK RECHAN
Authorized Signature
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2023-04-25-31** **Date: 06-01-23**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO 456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-01-23
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	04-01-23
Environmental Conditions during test	:	Temperature 26°C Humidity 72%

SLNo.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.54	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.2	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	160 minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

A.E.E

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2023-04-25-31 **Date: 06-01-23**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	03-01-23
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	03-01-23

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	187	187	1.2	98.8	90-100
3	20 mm	7276	7463	49.8	50.2	30-70
4	10 mm	4074	11537	76.9	23.1	10-35
5	4.75 mm	3000	14537	96.9	3.1	0-5
6	Pan	463	15000	100.0	0	---

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/01/2023

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-23
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/01/2023

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	151.79 X 149.71 X 151.09	22723	8.509	581.3	25.6	25.5
2	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	150.73 X 151.14 X 150.67	22782	9.015	609.9	26.8	
3	Cement Concrete Pavement	M30	13/01/2023	20/01/2023	150.82 X 151.72 X 150.95	22883	8.347	550.2	24.0	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/02/2023

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-23
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/02/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	13/01/2023	10/02/2023	150.99 X 150.29 X 151.78	22692	8.291	759.7	33.5	33.2
2	Cement Concrete Pavement	M30	13/01/2023	10/02/2023	150.22 X 150.95 X 151.82	22676	8.788	734.6	32.4	
3	Cement Concrete Pavement	M30	13/01/2023	10/02/2023	151.96 X 151.10 X 150.30	22962	8.173	777.7	33.9	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/01/2023

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-01-23
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/01/2023	17/01/2023	149.70 X 150.40 X 150.74	22515	8.650	408.6	18.1	18.4
2	Drain Side Wall Concrete	M20	10/01/2023	17/01/2023	150.23 X 149.13 X 149.46	22404	8.110	408.1	18.2	
3	Drain Side Wall Concrete	M20	10/01/2023	17/01/2023	150.78 X 151.94 X 150.54	22908	8.366	428.2	18.7	

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 14/01/2023

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-01-23
Customer ID	:	Drain Bottom Raft Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/01/2023

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Raft Concrete	M20	07/01/2023	14/01/2023	149.62 X 151.96 X 149.05	22736	8.638	430.3	18.9	18.6
2	Drain Bottom Raft Concrete	M20	07/01/2023	14/01/2023	149.43 X 151.34 X 151.02	22615	8.589	408.0	18.0	
3	Drain Bottom Raft Concrete	M20	07/01/2023	14/01/2023	150.48 X 149.35 X 150.53	22474	8.899	420.8	18.7	

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M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-23
Sample Type /Size	:	Precast Cover Slab - 100mm Thick
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	16/01/2023
Grade of Slab	:	M25

Date: 20-01-23

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	77.51	100.48	1.116	4718	126.8	26.9	25.0	31.2
2	Cover Slab-2	77.45	100.52	1.122	4710	127.1	27.0	25.1	31.4
3	Cover Slab-3	77.52	100.51	1.118	4719	126.2	26.7	24.9	31.1

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-23
Sample Type /Size	:	Precast Cover Slab - 250mm Thick
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	16/01/2023
Grade of Slab	:	M25

Date: 20-01-23

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	77.62	250.48	1.116	4731	127.5	26.9	25.1	31.3
2	Cover Slab-2	77.21	250.52	1.122	4681	128.2	27.4	25.5	31.8
3	Cover Slab-3	77.54	250.51	1.118	4721	127.4	27.0	25.1	31.4

* The results obtained are satisfactory as per standard requirements.

Note:

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Samples will be disposed after 30 days from the date of issue of test certificate

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CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	CP-2023-04-25-31
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-01-23
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	04-01-23

Date: 05-01-23

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID	:	CP-2023-04-25-31
		Date: 05-01-23
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at AK colony in Kempegowda ward no-01 of Yelahanka Sub division
Agency	:	Sri Anjan Kumar Y A, NO:456/500, Maheshwaramma Temple Street, Yelahanka Old Town, Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-12/W.O/40/2022-23
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	03-01-23
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	03-01-23
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	32	32	3.2	96.8	90-100	90-100	90-100	95-100
3	2.36 mm	65	97	9.7	90.3	60-95	75-100	85-100	95-100
4	1.18 mm	245	342	34.2	65.8	30-70	55-90	75-100	90-100
5	600 micron	215	557	55.7	44.3	15-34	35-59	60-79	80-100
6	300 micron	200	757	75.7	24.3	5-20	8-30	12-40	15-50
7	150 micron	185	942	94.2	5.8	0-10	0-10	0-10	0-15
8	Pan	58	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2023-04-25-31** **Date: 05-01-23**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.6	–
2	Specific Gravity	2.57	–
3	Material finer than 75 micron(%)	5.8	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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